

# Scientific Inquiry Performance Assessment - Oobleck

## **Part 1**

### **Materials needed**

- Cornstarch
- Water
- Mixing spoon
- paper cup

**Question:** What will happen if we mix a solid (cornstarch) with a liquid (water)?

### **Procedure**

- 1) Make a prediction as to what you think will happen when you mix cornstarch and water in the form of a hypothesis.

*Hypothesis:*

- 2) Mix the cornstarch and the water in the paper cup.

*Collect data*

- What happens when we move/squish the oobleck quickly?
- What happens when we move/squish the oobleck slowly?
- Can you keep the oobleck in one place? What do you notice about it?
- Can you tell me about what the oobleck is doing?

**Analysis:** What can you say about how water and cornstarch create oobleck? Why does it behave like it does in terms of particles?